

For Examiner's
Use Only

WHAT I CLAIM IS:

1. A safety seat, for land, air and sea vehicles, having at least one seat portion (11) and one back rest (12), wherein said safety seat is adapted to be secured to a vehicle, between a floor and ceiling area thereof, by means of securement straps (13, 14) provided above and below the seat, said safety seat further comprising:

a safety belt harness for securing an occupant that is sitting on said safety seat, said belt harness in turn comprising:

two lap belts (15) that are each secured laterally of said at least one seat portion (11) and can be connected to one another by a belt buckle comprising a buckle body (16) and an insertion tongue (17);

two shoulder belts (18) that extend from said lap belts (15) and are adapted to extend over shoulders of an occupant;

an activating means (20) that, as an extension of said shoulder belts (18) is guided below said at least one seat portion (11) to an entry region thereof; and

respective tensioning straps (21) yieldingly disposed between said shoulder belts (18) and front ones of said securement straps (13) that extend on either side of an entry region of said safety seat, in such a way that if said safety belt harness is not

strapped on, said shoulders belts (18) are held, under prestress, in an orientation that is parallel to said front securement straps (13).

2. A safety seat according to claim 1, wherein in the region of said back rest (12) said shoulder belts (18) are joined together to form a central back belt (19), and wherein said activating means (20) is embodied as an activating belt and is connected to said back belt (19).

3. A safety belt according to claim 1, wherein said buckle body (16) and insertion tongue (17) of said belt buckle are secured to ends of said lap belts (15) and are respectively connected to said at least one seat portion (11) via respective adjustment straps (22), the length of which can be altered.

4. A safety seat according to claim 1, wherein said tensioning straps (21) are comprised of a resiliently yielding material, and wherein ends of said tensioning straps (21) are respectively fixedly secured to said front securement straps (13) and said shoulder belts (18).

5. A safety seat according to claim 4, wherein said tensioning straps (21) are made of rubber.

6. A safety seat according to claim 2, wherein a releasable securing device, which serves for fixing said activating belt (20) in position, is disposed in said entry region of said seat portion (11).

7. A safety seat according to claim 2, wherein said tensioning straps (21) are secured to said shoulder belts (18), wherein belt deflection means (24) are disposed on front and rear ones of said securement straps (13, 14), wherein an automatic tensioning device (25) is disposed in the region of said back rest (12), and wherein said tensioning straps (21) are guided via said belt deflection means (24) to said automatic tensioning device (25).

8. A safety seat according to claim 7, wherein a further tensioning device (26) is disposed in the region of said back rest (12), and wherein said shoulder belts (18) or said back belt (19) is connected to said further tensioning device (26).

9. A safety seat according to claim 8, wherein said tensioning devices (25, 26) are embodied as belt reel-in devices that are provided with a winding spring and a reversible blocking mechanism.

10. A safety seat according to claim 9, wherein said activating means (20) engages both of said belt reel-in devices (25, 26) in such a way that a respective oppositely directed rotational movement of a pertaining belt reel-in shaft is initiated.

11. A safety seat according to claim 10, wherein said belt reel-in devices (25, 26) are coupled with one another via a common shaft that is engaged by said activating means (20).

12. A safety seat according to claim 11, wherein said activating means (20) is an activating belt that engages said shaft of said belt reel-in devices (25, 26).

5 13. A safety seat according to claim 9, wherein said activating means (20) is connected with said blocking mechanism of said belt reel-in devices (25, 26).

14. A safety seat according to claim 13, wherein said activating means (20) is embodied as a Bowden cable having a switching lever that is disposed on said seat portion (11).

10 15. A safety seat according to claim 1, which is embodied as a textile shell that is tensioned by said securement straps (13, 14).